

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

**AIR QUALITY PERMIT
Issued under 401 KAR 52:040**

Permittee Name: Mubea Inc.

Mailing Address: 6800 Industrial Road
Florence, KY 41042

Source Name: Same as above
Mailing Address: Same as above

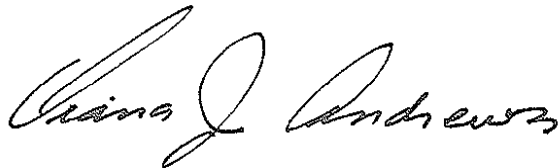
Source Location: 8224 Dixie Highway
Florence, KY 41042

Permit Number: S-02-072 R1
Source A. I. #: 48936
Activity #: APE20070001
Review Type: Minor/Operating
Source ID #: 21-015-00124

Regional Office: Florence Regional Office
8020 Veterans Memorial Dr. Suite 110
Florence, KY 41042
(859) 525-4923

County: Boone

Application
Complete Date: February 15, 2007
Issuance Date: July 2, 2002
Revision Date: April 24, 2007
Expiration Date: July 2, 2012



**John S. Lyons, Director
Division for Air Quality**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify an affected facility without first having submitted a complete application and receiving a permit for the planned activity from the Division, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**EP01 Hose Clamp Dip and Spin Operations**

Description: Dip and Spin Operations consist of 2 Dip and Spin booths with one shared natural gas dry oven. This operation is a batch, automatic miscellaneous metal parts (hose clamps) surface coating. The hose clamps get two coats, basecoat and topcoat. The parts are put into a steel mesh basket (bin), and dipped into the paint. After dipping the parts, the basket is lifted above the paint liquid (remaining in the tank) and spun to remove excess paint. The coated parts are cured in a shared 4 MMBtu/hr natural gas-fired drying oven.

MP1& MP2: Dip and Spin coating booths	
Construction date	1998
No control equipment	
MP3: Hose Clamp Dip and Spin Oven	
Fuel	Natural gas
Construction date	1998
Rate capacity	4.0 MMBtu/hr/oven

APPLICABLE REGULATIONS:

The source has opted to limit the VOC emission to less than twenty (20) tons per year in order to preclude the applicability of 401 KAR 59:225, New miscellaneous metal parts and products surface coating operation.

1. **Operating Limitations:** None
Usage rates and VOC contents of all VOC containing materials shall be restricted so as to meet the limitations in Section B.2;

2. **Emission Limitations:**

Total VOC emissions from EP01, items 10 (Valve spring Inking) and 11 (Valve Spring Dip and Spin custom) from the Insignificant Activities in building 2 shall not exceed 20.00 tons per year. These annual limitations shall not be exceeded during any consecutive 12 month period.

Compliance Demonstration Method:**VOC Emissions:**

Monthly VOC/HAP emission = \sum [Monthly usage of each coating, solvent thinner diluent, or any other VOC/HAP containing material in pounds or gallons per month] x [VOC/HAP fraction] x [appropriate conversion factor (if usage is in gallons) for gallons to pounds for each coating, solvent thinner, diluent, or any other VOC/HAP containing material used].

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (Continued)

3. Testing Requirements:

Pursuant to 401 KAR 59:005 Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the division.

4. Specific Monitoring Requirements:

The permittee shall monitor and maintain records of the total monthly usage of coating and solvents.

5. Specific Recordkeeping Requirements:

1. Monthly records of gallons of coating applied shall be kept.
2. A rolling 12 months summary for each month of the quarter, showing tons of VOC emitted.
3. All purchase orders and invoices for materials containing VOCs shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.
4. All records shall be retained for a period of five years.
5. Also See Section F.

6. Specific Reporting requirements:

1. Any deviations from requirements of section B shall be reported.
2. The VOC emission calculation for each month in the semi-annual period shall be reported.
3. The rolling 12 month total for VOC during each month in the semi-annual period shall be reported.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (Continued)

(EP4A) Maintenance Shop Degreaser (8252 Dixie Highway)

(EP4B) Tool Rack Maintenance Degreaser (8212 Dixie Highway)

(EP4C) Tool Shop Degreaser (8224 Dixie Highway)

(EP4D) Maintenance Area Degreaser CSMPC-1 (8224 Dixie Highway)

(EP4E) Valve Spring Line Cleaning Stations-5 units (8252 Dixie Highway)

Description:

Units described above are Cold Cleaner Degreasers using Safety Kleen cleaning solution.

Construction Date: 1998

APPLICABLE REGULATIONS:

401 KAR 59:185, New solvent metal cleaning equipment.

1. Operating Limitations:

The following activity is prohibited:

The operation of a cold cleaner using a solvent with a vapor pressure that exceeds one (1.0) mm Hg (0.019 psi) measured at 20° C (68° F).

Compliance Demonstration Method:

See Section 5 Recordkeeping Requirements, items 3 and 4.

2. Emission Limitations: None

3. Testing Requirements: None

4. Specific Monitoring Requirements:

See Section 5 Recordkeeping Requirements, items 3 and 4.

5. Specific Recordkeeping Requirements:

Any individual or entity subject to the provisions of Section 4(3)(b) of this administrative regulation shall maintain records for a minimum of five (5) years that include the following information for each solvent purchase:

1. The name and address of the solvent supplier;
2. The date of the purchase;
3. The type of solvent; and
4. The vapor pressure of the solvent measured in mm Hg at 20° C (68° F).

6. Specific Reporting Requirements:

See Section C of the permit.

SECTION C - GENERAL CONDITIONS

A. Administrative Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:040, Section 15]
3. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [Cabinet Provisions and Procedures for Issuing State-Origin Permits, Section 1a, 11].
4. This permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition. [Cabinet Provisions and Procedures for Issuing State-Origin Permits, Section 1a, 4,5].
5. This permit does not convey property rights or exclusive privileges [Cabinet Provisions and Procedures for Issuing State-Origin Permits, Section 1a, 8].
6. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 52:040 Section 11(3)]
7. This permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in 401 KAR 50:038, Air emissions fee. The permittee shall submit an annual emissions certification pursuant to 401 KAR 52:040, Section 20.
8. All previous issued construction and operating permits are hereby subsumed into this permit.

SECTION C - GENERAL CONDITIONS (CONTINUED)

B. Recordkeeping Requirements

1. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [401 KAR 52:040 Section 3(1)(f)]
2. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

C. Reporting Requirements

1.
 - a. In accordance with the provisions of 401 KAR 50:055, Section 1 the permittee shall notify the Division for Air Quality's Florence Regional Office concerning startups, shutdowns, or malfunctions as follows:
 - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
 - b. The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1 a) above), the probable cause of the deviation, and corrective or preventive measures taken; to the Division for Air Quality's Florence Regional Office within 30 days. Other deviations from permit requirements shall be included in the semiannual report. [Cabinet Provisions and Procedures for Issuing State-Origin Permits, Section 5, 3].
2. The permittee shall furnish information requested by the cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the permit. [Cabinet Provisions and Procedures for Issuing State-Origin Permits, Section 1a, 8].
3. Summary reports of monitoring required by this permit shall be submitted to the Division's Florence Regional Office at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

The summary reports are due January 30th and July 30th of each year. All reports shall be certified by a responsible official. All deviations from permit requirements shall be clearly identified in the reports [401 KAR 52:040, Section 21].

SECTION C - GENERAL CONDITIONS (CONTINUED)

D. Inspections

1. In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
 - d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

E. Emergencies/Enforcement Provisions

1. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Cabinet Provisions and Procedures for Issuing State-Origin Permits, Section 1a, 3].
2. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
3. Emergency provisions listed in General Condition E.2 are in addition to any emergency or upset provision contained in an applicable requirement.
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof.

SECTION C - GENERAL CONDITIONS (CONTINUED)**F. Compliance**

1. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
 - a. Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1.
 - b. All the air pollution control systems shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and non routine maintenance performed on each control device.
 - c. A log of the monthly raw material consumption and monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program, spread sheets, calculations or performance tests as may be specified by the Division.
2. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period, and
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
 - f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality	Division for Air Quality
Florence Regional Office	Central Files
8020 Veterans Memorial Dr. Suite 110	803 Schenkel Lane
Florence, KY 41042	Frankfort, KY 40601-1403
3. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:
 - a. Applicable requirements that are included and specifically identified in this permit; or
 - b. Non-applicable requirements expressly identified in this permit.

SECTION D - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040, Section 6. While these activities are designated as insignificant the permittee shall comply with the applicable regulation and any level of periodic monitoring specified below.

Description**Applicable Regulation****Building 2 (8252 Dixie):**

1. Hose Clamp Line #1 Hardening Oven	None- Direct Fired burner
2. Hose Clamp Line #1 Salt Bath fire Tube Burner	401 KAR59:015
3. Hose Clamp Line #2 Hardening Oven	None- Direct Fired Burner
4. Hose Clamp Line #2 Salt Bath fire Tube Burner	401 KAR59:015
5. Valve spring Line #1 Stress relief and Hardening Oven	None- direct Fired Burner
6. Valve Spring Line #1 Salt Bath Fire Tube Burner (new listing)	KAR 59:015
7. Valve spring line #3 Stress Relief Oven	None- direct Fired Burner
8. Valve spring line #4 Stress Relief Oven	None- direct Fired Burner
9. Valve spring line #5 Stress Relief Oven	None- direct Fired Burner
10. Valve Spring Inking	401 KAR 59:225 but exempt per Sec. 6(3)
11. Valve Spring Dip and Spin Custom	401 KAR 59:225 but exempt per Sec. 6(3)
12. Disc Spring Deburring	None
13. Hose Clamp Glue Station # 1	None
14. Hose Clamp Glue Station # 2	None

Building 3 (8212 Dixie):

1. Powder Paint Operation	None
2. Powder Paint Oven	401 KAR 59:015
3. Hot Water Boiler	401 KAR 59:015
4. De-Scale Oven	None
5. Brake Spring Stress Relief Oven	None
6. Disc Spring Heat Treat Ovens	None
7. Disc Spring Hardening Oven	None
8. Methanol Storage Tank	None
9. Disc Spring Deburring	None
10. Disc Spring Heat-Treat ovens line2	None-Direct Fired Burner
11. Disc Spring Hardening oven line 2	None-DirectFiredBurner

SECTION D - INSIGNIFICANT ACTIVITIES (Continued)

Description

Applicable Regulation

Building 4 (8224 Dixie):

1. Stress Relief Oven # 1 for Coiling Line	None
2. Stress Relief Oven # 2 for Coiling Line	None
3. Stress Relief Oven # 3 for Coiling Line	None
4. Stress Relief Oven # 4 for Coiling Line	None
5. Pretreat Line boiler # 1	401 KAR 59:015
6. Pretreat Line boiler # 2	401 KAR 59:015
7. Powder Paint Operation	None
8. Space heater	None
9. Powder Line Dry-Off Ovens	401 KAR 59:010
10. Powder Line Oven Preheaters	401 KAR 59:010
11. Powder Line Curing Ovens	401 KAR 59:010